

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|---|-----------------|------------------|---------|------------------|
| L1 | 13 | (activating with (immobilizing or immobilization or functionalizing or functionalization)) same (microspot or array or microarray) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:04 |
| L2 | 0 | (activating with (immobilizing or immobilization or functionalizing or functionalization)) same (microspot or array or microarray) with (electric or electrical or current) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:04 |
| L3 | 2603210 | ((immobilizing or immobilization or functionalizing or functionalization) with (microspot or array or microarray) with electric or electrical or current) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:05 |
| L4 | 55 | (immobilizing or immobilization or functionalizing or functionalization) with (microspot or array or microarray) with (electric or electrical or current) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:06 |
| L5 | 48 | L4 and (biomolecule or molecule or probe or protein or dna or nucleic or antibody) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:06 |
| L6 | 30 | L5 and (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:07 |
| L7 | 18 | L5 not L6 | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:14 |
| L8 | 102 | microfluidic and (immobilized with probes with (channel or microchannel)) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:24 |
| L9 | 16 | L8 and ((electrophoretic or dielectrophoresis or electrophoresis) with (pumping or pump)) | US-PGPUB; USPAT | OR | ON | 2008/03/30 23:25 |

| | | | | | | |
|-----|------|--|--------------------|----|-----|---------------------|
| L10 | 1 | ("6200814").PN. | USPAT; USOCR | OR | OFF | 2008/03/30 23:31 |
| L11 | 0 | (prevent with nonspecific with absorption) with (array or microarray) | USPAT | OR | OFF | 2008/03/30 23:34 |
| L12 | 3 | (prevent with nonspecific with absorption) and (array or microarray) | USPAT | OR | OFF | 2008/03/30 23:34 |
| L13 | 1 | ((nonspecific with absorption) with (avidin or streptavidin)) and (array or microarray) | USPAT | OR | OFF | 2008/03/30 23:36 |
| L14 | 1 | ((nonspecific with absorption) with (avidin or streptavidin)) and immobilization | USPAT | OR | OFF | 2008/03/30 23:38 |
| L15 | 4 | ((nonspecific with absorption) with (avidin or streptavidin)) | USPAT | OR | OFF | 2008/03/30 23:38 |
| L16 | 3 | L15 not L14 | USPAT | OR | OFF | 2008/03/30 23:38 |
| L17 | 3 | ((nonspecific with absorption) with coating) and immobilization | USPAT | OR | OFF | 2008/03/30 23:40 |
| L18 | 18 | ((nonspecific with (absorption or adsorption)) with coating) and immobilization | USPAT | OR | OFF | 2008/03/30 23:40 |
| L19 | 18 | L18 not L16 | USPAT | OR | OFF | 2008/03/30 23:40 |
| L20 | 306 | ((surface adj plasmon adj resonance) or spr) and ((reflectance or (phase adj change) or angle or wavelength) with binding) | USPAT | OR | OFF | 2008/03/31 00:32 |
| L21 | 30 | ((surface adj plasmon adj resonance) or spr) and ((reflectance or (phase adj change) or angle or wavelength) with binding with detection) | USPAT | OR | OFF | 2008/03/31 00:32 |
| L22 | 1622 | assay with ((dissociation or association or affinity) adj constant) | US-PGPUB; USPAT | OR | ON | 2008/03/31 00:46 |
| L23 | 219 | assay with ((dissociation or association or affinity) adj constant) with (determining or determine) | US-PGPUB; USPAT | OR | ON | 2008/03/31 00:47 |

| | | | | | | |
|-----|-----|---|-----------------|----|----|------------------|
| L24 | 68 | (oxidation or reducton) with (functional adj group) with (binding or immobilization or immobilizing) | US-PGPUB; USPAT | OR | ON | 2008/03/31 01:54 |
| L25 | 71 | (oxidation or reducton) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing) | US-PGPUB; USPAT | OR | ON | 2008/03/31 01:57 |
| L26 | 19 | L25 and (electric) | US-PGPUB; USPAT | OR | ON | 2008/03/31 01:57 |
| L27 | 25 | L25 and (electric or electrode) | US-PGPUB; USPAT | OR | ON | 2008/03/31 01:57 |
| L28 | 152 | (electrode or electric) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing) | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:01 |
| L29 | 152 | (electrode or electric) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing) with (molecule or probe or chemical or group) | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:02 |
| L30 | 444 | (electric adj field) with ((functional adj group) or (functionalizing or binding or immobilization or immobilizing) with (molecule or probe or chemical or group)) | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:09 |
| L31 | 240 | (electric adj field) with ((functional adj group) or (functionalizing or immobilization or immobilizing) with (molecule or probe or chemical or group)) | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:09 |
| L32 | 5 | (electric adj field) with (inducing or induce) with ((functional adj group) or (functionalizing or immobilization or immobilizing) with (molecule or probe or chemical or group)) | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:09 |

| | | | | | | |
|-----|-----|--|-----------------|----|----|------------------|
| L33 | 111 | (electric adj field) with (inducing or induce) with reaction | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:13 |
| L34 | 31 | (electric adj field) with (inducing or induce) with reaction with chemical | US-PGPUB; USPAT | OR | ON | 2008/03/31 02:13 |
| S1 | 986 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/22 20:05 |
| S2 | 410 | S1 and (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/22 20:14 |
| S3 | 49 | S1 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/22 20:14 |
| S4 | 26 | S3 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/22 20:15 |
| S5 | 986 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/22 21:48 |
| S6 | 49 | S5 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/22 21:48 |
| S7 | 26 | S6 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/22 21:48 |
| S8 | 986 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:21 |
| S9 | 49 | S8 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:21 |
| S10 | 26 | S9 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:21 |
| S11 | 23 | S9 not S10 | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:21 |
| S12 | 410 | S8 and (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:24 |
| S13 | 23 | S12 not S11 | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:24 |
| S14 | 387 | S12 not S11 | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:24 |
| S15 | 305 | S14 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/22 23:24 |

| | | | | | | |
|-----|------|---|-----------------|----|----|------------------|
| S16 | 801 | (microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference) | US-PGPUB; USPAT | OR | ON | 2008/03/26 11:29 |
| S17 | 180 | ((microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference)) and (molecule or biomolecule or dna or nucleic or protein or antibody or enzyme) | US-PGPUB; USPAT | OR | ON | 2008/03/26 11:29 |
| S18 | 145 | S17 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/26 11:30 |
| S19 | 1096 | ((mountable or mounting) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide) | US-PGPUB; USPAT | OR | ON | 2008/03/26 15:29 |
| S20 | 782 | S19 not @ay> "2003" | US-PGPUB; USPAT | OR | ON | 2008/03/26 15:30 |
| S21 | 46 | ((mountable) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide) | US-PGPUB; USPAT | OR | ON | 2008/03/26 15:31 |
| S22 | 39 | S21 not @ay> "2003" | US-PGPUB; USPAT | OR | ON | 2008/03/26 15:31 |
| S23 | 987 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S24 | 410 | S23 and (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S25 | 49 | S23 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S26 | 26 | S25 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |

| | | | | | | |
|-----|-----|---|-----------------|----|----|------------------|
| S27 | 987 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S28 | 49 | S27 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S29 | 26 | S28 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S30 | 987 | (determining or determine or detect or detecting) with kinetic with binding | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S31 | 49 | S30 and ((channel or microchannel) with (spot or microspot or array or microarray)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S32 | 26 | S31 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S33 | 23 | S31 not S32 | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S34 | 410 | S30 and (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S35 | 23 | !S33 | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S36 | 387 | S34 not S33 | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S37 | 305 | S36 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S38 | 801 | (microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S39 | 180 | ((microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference)) and (molecule or biomolecule or dna or nucleic or protein or antibody or enzyme) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S40 | 145 | S39 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |

| | | | | | | |
|-----|------|--|-----------------|----|----|------------------|
| S41 | 1096 | ((mountable or mounting) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S42 | 782 | S41 not @ay> "2003" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S43 | 46 | ((mountable) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide) | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S44 | 39 | S43 not @ay> "2003" | US-PGPUB; USPAT | OR | ON | 2008/03/29 20:45 |
| S45 | 8499 | removable with (channel or (flow adj cell)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:01 |
| S46 | 7350 | S45 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:01 |
| S47 | 566 | S46 and (absorb or immobilize or immobilizing or functionalizing) | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:01 |
| S48 | 67 | S46 and ((absorb or immobilize or immobilizing or functionalizing) same (molecule or probe or dna or protein or enzyme or antibody)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:02 |
| S49 | 67 | S48 not S43 | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:02 |
| S50 | 2054 | ((microarray or array) with (formation or making)) same channel | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:15 |
| S51 | 1551 | S50 not @ay> "2003" | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:16 |
| S52 | 1010 | ((microarray or array) with (formation or making)) with channel | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:16 |
| S53 | 4 | ((microarray or array) with (formation or making)) with (channel with (immobilizing or absorbing or activation or functionalizing)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:17 |

| | | | | | | |
|-----|------|--|-----------------|----|----|------------------|
| S54 | 442 | ((microarray or array) with (formation or making)) and (channel with (immobilizing or absorbing or activation or functionalizing)) | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:17 |
| S55 | 345 | S54 not @ay> "2004" | US-PGPUB; USPAT | OR | ON | 2008/03/29 21:17 |
| S56 | 5034 | (forming with (array or microarray)) same (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/30 22:53 |
| S57 | 39 | ((immobilizing or functionalizing or functionalization) with (array or microarray)) same (channel or microchannel) | US-PGPUB; USPAT | OR | ON | 2008/03/30 22:53 |

3/ 31/ 2008 2:39:26 AM

C:\ Documents and Settings\ alam\ My Documents\ EAST\ workspaces\ 10578860.wsp